Index of Claims

| A 15.  | 4:     | 10   | 11   | NI- |
|--------|--------|------|------|-----|
| Applie | cation | vcon | troi | NO. |
|        |        |      |      |     |

09/836,378

Examiner

Jamie Vent

Applicant(s)/Patent under Reexamination

YAP ET AL.

Art Unit

2616

| <b>√</b> | Rejected |
|----------|----------|
| 11       | Allowed  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|            |  | _            | J  |         | _  |   | _         | _        | _     | J  |   |           | ı      | _       | _        | _            |          |
|------------|--|--------------|----|---------|----|---|-----------|----------|-------|----|---|-----------|--------|---------|----------|--------------|----------|
|            |  | ,-           |    | _       | _  |   | _         | _        |       | -  |   |           | _      | _       | _        |              | 1        |
| Cla        | im   | L            | _  | _       | _  | _ | _         | ᆜ        | a     | te | ! | _         |        |         | -        |              |          |
|            | <del>-</del>   |              |    |         |    |   |           | 1        |       | ١  |   | 1         |        |         | 1        |              |          |
| Final      | riginal  | િ            | 5  |         |    | ١ |           | Į        |       | -  |   | 1         |        | ŀ       | ١        |              |          |
| i <u>Ē</u> | حجّ ا  | r            | 4  |         | ŀ  | ı |           | 1        |       | 1  |   | 1         |        |         |          |              | Ì        |
| ł          | 0  | 14           | 7  |         |    |   |           |          |       |    |   | 1         |        | L       |          | _            |          |
|            | 1  | ~            | 7  |         |    |   |           |          |       | ⅃  |   |           |        |         | ┙        |              | ]        |
|            | 2  | Ī            | П  |         | Γ  |   |           |          |       | ٦  |   |           |        |         |          |              |          |
|            | 3  | П            | П  |         | Γ  |   |           |          |       | ٦  |   | Т         |        |         |          |              |          |
|            | 4  | П            | П  |         | Ī  |   |           |          |       |    |   | Т         |        | Γ       | ٦        |              |          |
|            | 5  | П            | Ħ  |         | Γ  |   | _         |          |       | ٦  |   | ٦         |        | Γ       | T        |              | 1        |
|            | 6  | Ħ            | H  |         | T  |   | Г         | ٦        | Г     |    |   | $\exists$ |        | Γ       | Ī        |              | 1        |
|            | 7  | П            | H  |         | Τ  |   | Г         |          |       |    |   | T         |        | Γ       |          |              | 1        |
|            | 1<br>2<br>3<br>4<br>5<br>6<br>7                                      | Т            | П  |         | T  | _ | Г         |          | Г     |    |   | ٦         |        | Γ       | Ī        |              | 1        |
|            | 9  | T            | П  | _       | T  |   | Г         |          | Γ     |    |   | ٦         |        | T       | ╗        |              | 1        |
| 1          | 10   | †            | H  | _       | t  | _ | T         |          | Γ     |    | Г | 7         |        | T       | T        |              | 1        |
| $\vdash$   | 11   | T            | Ħ  |         | t  |   | Τ         | _        | Γ     |    | Г | 1         |        | T       | 7        |              | 1        |
| 1          | 12   | T            | Ħ  |         | t  |   | T         | _        | Ĺ     |    | Γ | 7         |        | T       |          |              | 1        |
| -          | 13   | $^{+}$       | H  | _       | t  |   | T         | _        | t     |    | Γ | 7         | _      | T       |          |              | 1        |
| <b>—</b>   | 14   | t            | Ħ  |         | t  |   | T         |          | T     | _  | Γ | $\neg$    | _      | T       |          |              | 1        |
| $\vdash$   | 15   | $^{\dagger}$ | tl |         | t  |   | t         |          | t     | _  | Τ | T         | _      | Ť       |          | Г            | 1        |
| $\vdash$   | 16   | ✝            | ti | _       | Ť  |   | T         | _        | T     |    | Γ |           |        | T       |          | Г            | 1        |
| <u> </u>   | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21 | T            | Ħ  |         | T  |   | T         |          | T     | _  | Ī |           |        | T       |          |              |          |
|            | 18   | †            | t  | _       | Ť  |   | T         |          | T     | _  | T |           |        | T       |          |              | 1        |
|            | 19   | +            | t  |         | Ť  |   | T         |          | T     |    | Τ |           |        | T       |          | Γ            | 7        |
|            | 20   | 1            | Ż  |         | †  |   | Ť         |          | T     |    | Т |           |        | T       |          |              | ]        |
|            | 21   | 十            | -  |         | T  |   | Т         | _        | T     |    |   |           |        | Ţ       |          |              |          |
|            | 22   | T            | _  |         | T  |   | T         |          | I     |    | Ι |           |        |         |          |              |          |
|            | 22<br>23<br>24   | 1            |    | Γ       | T  |   | T         |          | T     |    | Г |           |        | I       |          |              |          |
|            | 24   |              |    | Γ       | Ţ  |   | T         |          | Ι     |    |   |           |        | $\prod$ |          |              | _]       |
|            | 25   | Т            |    |         | I  |   | 1         |          | I     |    | Ĺ |           |        | ]       |          | L            | _        |
|            | 26   | T            |    |         | 1  |   |           |          |       |    | l |           | L      | 1       |          | L            | ╛        |
|            | 27   | T            |    |         | I  |   | I         | Ť        | 1     |    |   |           |        | ┙       |          |              | _        |
|            | 28   |              |    |         |    |   | 1         |          | 1     |    | l |           |        | 1       |          | Ļ            | ╛        |
|            | 29   | П            |    | Γ       |    |   | I         |          |       |    | l |           | L      | ┙       | _        |              | ╛        |
|            | 25<br>26<br>27<br>28<br>29<br>30                                     |              |    |         | Ţ  |   | J         |          | floor |    | Ι |           | L      | $\perp$ |          |              | ╝        |
|            | 31   | - [          |    |         | I  |   | I         |          | I     |    | I |           | L      | $\int$  |          | L            | ╛        |
|            | 32<br>33<br>34   | :            |    |         | J  |   | J         |          | I     |    | I |           | L      | Ī       |          | L            | ╛        |
|            | 33   |              |    | Γ       | J  |   | $\int$    |          | I     |    | I |           | L      | $\perp$ |          | $\perp$      | ╝        |
|            | 34   | $\Box$       | _  | Ĺ       |    |   | ĺ         |          |       |    | 1 | _         | L      | _       |          | 1            | ╝        |
|            | 35   | )            |    | Ĺ       |    |   | _[        |          | 1     |    | 1 |           | 丄      | _       |          | $\downarrow$ | 4        |
|            | 36   | 5 1          | _  | L       | _] | L | $\rfloor$ |          | 1     |    | 1 |           | ╀      | _       |          | 1            | 4        |
|            | 37   | '            |    | $\perp$ | _  | L | _         | _        | 4     |    | 1 |           | 1      | _       |          | $\bot$       | _        |
|            | 38   | 3            | _  | 1       | _  | L | _         | _        | _     |    | 1 |           | 4      | 4       | _        | $\downarrow$ | 4        |
|            | 39   | )            |    | L       |    | L | _         | _        | _ļ    | _  | 4 |           | $\bot$ | _       | _        | +            | 닉        |
|            | 40   | 2            |    | ╀       | _  | L | _         |          | 4     | _  | 4 |           | +      | _       |          | +            | ᅴ        |
| $\vdash$   | 4  | 1            | _  | 1       | _  | L | _         | L        | 4     | _  | 4 | _         | +      | _       | <u> </u> | +            | 4        |
| <u> </u>   | 42   | 2            | _  | +       | _  | L | 4         | _        | _     | H  | 4 |           | +      | _       | -        | +            | $\dashv$ |
| _          | 43   | 3            |    | -       | _  | L |           | L        | _     | L  | 4 |           | +      |         | L        | +            | _        |
| <u> </u>   | 44   | ᆜ            | _  | 1       | _  | L | _         | L        | _     | -  | 4 |           | +      | _       | -        | +            | -        |
| <u> </u>   | 4  | 5            | _  | +       |    | L | _         | L        | _     | L  | 4 | _         | +      |         | $\vdash$ | +            | _        |
| <u> </u>   | 40   | 5            | _  | +       | _  | ┞ | _         | L        | _     | L  | 4 | _         | +      |         | ┡        | +            | -        |
| -          | 4  | 싀            |    | 4       |    | + |           | L        | _     | L  | _ | _         | +      |         | -        | +            |          |
| $\vdash$   | 4  | 쒸            | _  | +       | _  | ╀ | _         | $\vdash$ |       | ┞  | - | _         | +      |         | ├        | +            |          |
| _          | 4  | 쒸            | _  | +       | _  | ╀ | _         | Ł        |       | ⊦  | _ | <u> </u>  | +      |         | ┝        | +            |          |
| - 1        | 5  | υľ           |    | -1      |    | 1 |           | 1        |       | 1  |   | ı         | -1     |         | 1        | - 1          |          |

| Cla          |  |              | _ |           |    |          | С      | a        | e        |   |   |  |          |   |          |              |          |
|--------------|--|--------------|---|-----------|----|----------|--------|----------|----------|---|---|--|----------|---|----------|--------------|----------|
|              |  |              | Τ |           |    |          |        |          |          | Т |   | Τ  |          |   | Т        |              |          |
| <del>-</del> | Original   |              | ļ |           |    |          |        | ۱        |          | ١ |   | 1  | Į        |   | 1        |              | l        |
| Final        | Ē  | ļ            | 1 |           | ļ  |          |        | 1        |          | 1 |   | ı  | - 1      |   |          |              | 1        |
| ۳ ا          | Ō  | ĺ            | 1 |           | l  |          | ŀ      | -        |          | Ì |   | 1  | ļ        |   | 1        |              |          |
|              |  | $\vdash$     | ╬ | _         | ┝  |          | H      | $\dashv$ |          | + | - | +  | ᅥ        | - | +        |              | ł        |
|              | 51<br>52<br>53<br>54<br>55                         | -            | + | _         | ╁  |          | ┝      | -        | -        | + |   | ╁  | $\dashv$ | - | +        | -            | 1        |
|              | 52   | ┡            | + |           | ╀  | _        | H      | ᅱ        | _        | + | _ | ╀  | -        | _ | +        | -            | 1        |
|              | 53   | L            | 4 |           | Ł  |          | Ļ      | _        |          | + | _ | +  | -        |   | 4        |              | ┨        |
|              | 54   | <u> </u>     | 4 |           | ╀  |          | -      | _        |          | 4 |   | +  | 4        | _ | 4        |              | 4        |
|              | 55   | ┞            | 4 |           | ╀  |          | Ļ      |          | _        | 4 |   | -  | _        | _ | -        |              | 1        |
|              | 56<br>57   | Ļ            | 4 |           | ļ  |          | L      |          | L        | 4 |   | 4  |          | L | 4        |              | 1        |
|              | 57_  | ┖            | ┵ |           | 1  | _        | L      |          |          | 4 | _ | 4  | _        |   | _        |              | į.       |
|              | 58   |              | _ |           | ļ. |          | L      |          | L        | Ц | _ | 4  | _        | L | _        | _            | 1        |
|              | 59<br>60   | L            |   |           | 1  |          | L      |          | L        | _ | _ | 1  |          | L | _        |              | 1        |
|              | 60   | 1_           |   |           | 1  |          | L      |          | L        | ╛ |   | $\perp$  |          | L | _        |              | 1        |
|              | 61   | L            |   |           | 1  |          | L      |          | _        |   |   | _  |          | L |          |              | 1        |
|              | 62   | Γ            | Ţ |           | ſ  |          | ľ      |          | Ĺ        |   | Ĺ |  |          | L |          |              |          |
|              | 61<br>62<br>63                                     | Γ            | 7 |           | T  |          | Γ      |          | Ĺ        |   | Ĺ | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |          | Ĺ |          | _            | 1        |
|              | 64<br>65   | Τ            | 7 |           | T  |          | Γ      |          |          |   |   |  |          |   |          |              | ⅃        |
|              | 65   | T            | 1 |           | 1  | _        | T      |          | Γ        |   | Γ | T  |          | Ĺ |          |              |          |
|              | 66   | T            | 1 |           | †  |          | T      |          | Τ        |   | Γ | 1  |          | Γ |          |              | ]        |
|              | 67   | T            | 7 |           | †  | _        | T      | _        | T        | _ | T | 7  |          | Γ |          |              | 7        |
|              | 68   | t            | 7 |           | †  | -        | Ť      |          | ١        | _ | T | ┪  |          | T |          |              | 1        |
|              | 60   | t            | - |           | †  |          | t      |          | T        | _ | H | 7  |          | t |          |              | 1        |
|              | 70   | 十            | _ | -         | +  |          | t      |          | ╁        |   | ┢ | 7  |          | t | _        | 1            | 1        |
|              | 70   | ╁            | - | _         | +  | _        | t      |          | ╁        |   | ╁ | +  | _        | t | _        |              | 1        |
|              | 72   | ╁            | - | _         | +  | _        | $^{+}$ | -        | ╁        |   | ╁ | $\dashv$   | _        | t | _        | $\vdash$     | ┨        |
|              | 69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77 | ╀            |   |           | +  | _        | ╁      |          | ╁        | _ | H | -  | _        | ╁ |          | -            | ┪        |
|              | 74   | ╁            | - | ⊢         | 1  |          | +      |          | ╁        | - | t | ┪  | _        | t | _        | ┢            | 1        |
|              | 75   | ╁            |   | ⊢         | 4  | _        | +      |          | ╁╌       | _ | ╁ | ┪  |          | t |          | -            | $\dashv$ |
|              | 75   | ┿            | _ | Н         | 1  | _        | +      |          | +        | _ | t | ┪  | _        | t | _        | H            | ┪        |
|              | 1 70   | +            | _ | ⊢         | 4  | _        | +      |          | ╁        | _ | ╁ |  |          | + | _        | ┢            | ┥        |
|              | 7/   | +            |   | ├         | ┥  | -        | +      |          | +        | - | ╁ | _  | _        | t |          | ╁            | Ⅎ        |
|              | 1/8  | +            | _ | ┞         | -  | ┝        | +      |          | ╁        | _ | ╀ | -  | _        | + |          | ╁            | ᅥ        |
|              | 79   | +            |   | ┡         | _  | -        | 4      | _        | ╀        | _ | ╀ |  | -        | + |          | ╁            | ┨        |
|              | 80   | 4            |   | 1         |    | <u> </u> | -1     |          | +        | _ | + | _  | ┝        | + |          | ╁            | $\dashv$ |
|              | 81<br>82<br>83                                     | 4            | _ | Ļ         | _  | L        | 4      |          | 4        | _ | + |  | L        | 4 |          | 1            | 4        |
|              | 82   | 1            |   | L         | _  | L        | 4      | _        | 4        | _ | 1 |  | L        | 4 |          | ╀            |          |
|              | 83   | Ц            |   | L         |    | L        | 4      |          | 4        | _ | 4 |  | L        | 4 |          | ╀            | 4        |
| <u>L</u> _   | 84   | 1            |   | L         | _  | L        | 4      |          | 4        |   | 4 |  | L        | 4 |          | 1            | 4        |
| L            | 85   | 1            |   | L         |    | L        |        | _        | 4        |   | 4 | _  | L        | 4 |          | $\perp$      |          |
|              | 86<br>87   |              |   | L         |    | L        |        | _        | ┵        |   | 1 |  | _        | 4 | _        | ╀            | _        |
|              | 87   |              |   | L         |    | L        |        | L        | 1        |   | 1 |  | L        | 4 | _        | ╀            | _        |
| Γ.           | 88   | 3            |   | L         |    | L        |        | L        | $\perp$  |   | 1 |  | L        | 4 |          | $\perp$      |          |
|              | 89   | )            |   |           |    | Ĺ        |        | L        |          |   |   |  |          |   | _        | $\perp$      |          |
|              | 90   | ) [          |   | I         |    |          |        | Ľ        | $\prod$  |   |   |  | L        | ╝ |          | $\perp$      | _        |
|              | 91   |              |   | Γ         |    | Γ        |        | Ĺ        | Ī        |   | J |  | Ĺ        |   | L        | L            |          |
|              | 92   | 2            |   | T         |    | Γ        |        |          | J        |   | J |  |          |   |          |              |          |
|              | 93   | 3 1          |   | T         |    | T        | _      | Γ        | 1        |   | T |  | Γ        |   |          | I            | _        |
|              | 94   |              | _ | Ť         |    | T        | _      | Γ        | 7        |   | 7 |  | Т        |   |          | T            |          |
| -            | 9:   |              | _ | $\dagger$ | _  | t        |        | t        | 7        | _ | 7 |  | T        |   |          | T            |          |
| -            | 96   | <del>,</del> |   | +         | _  | t        | _      | t        | ┪        |   | + | _  | +        | _ | Т        | $^{\dagger}$ |          |
| -            | 9  |              | _ | +         | _  | +        | _      | t        | ┪        | - | 7 | _  | t        | _ | $\vdash$ | +            | _        |
| -            | 9  |              | _ | +         | _  | +        | _      | t        | +        | _ | + | _  | +        | _ | H        | +            |          |
| -            | 1 30   | 2            | - | +         |    | +        | _      | +        | $\dashv$ | _ | ┥ |  | +        | - | H        | +            | -        |
| <b>—</b>     | 99   |              |   | +         |    | +        | _      | ╁        | $\dashv$ | _ | 4 |  | +        |   | $\vdash$ | +            | _        |
|              | 10   | IU           |   | ┸         |    | 1        | _      | L        |          | _ |   | _  |          |   | L.       | L.           |          |

| Cla      | aim               |          | _            |        |         |          | D | ate      | ,            |           |    |           | $\neg$          |
|----------|-------------------|----------|--------------|--------|---------|----------|---|----------|--------------|-----------|----|-----------|-----------------|
|          |                   |          |              | 1      |         |          | Τ |          |              | Γ         |    |           | $\neg$          |
| Final    | Original          |          |              |        |         |          |   |          |              |           |    |           |                 |
|          | 101               | _        | ┝            | $^{+}$ | _       |          | t | -        |              | ╁         | +  | -         | 一               |
| _        | 102               |          | Н            | †      | _       |          | † |          | _            | t         | ┪  |           |                 |
|          | 103               |          | T            | +      |         | Г        | 1 |          |              | T         | 寸  |           |                 |
| <u> </u> | 104               |          |              | 1      |         |          | 1 |          |              | Ţ         | T  |           |                 |
|          | 104<br>105        |          |              | 1      |         |          |   |          |              |           |    |           |                 |
|          | 106               |          |              |        |         |          |   |          |              | L         |    |           | Ш               |
|          | 107               |          |              | 1      |         | L        | 4 |          | L            | 1         | _  |           |                 |
|          | 108               |          | ┖            | 4      |         | L        | 4 |          | L            | 4-        | _  |           | $\perp$         |
|          | 109               | _        | Ļ            | 4      |         | L        | 4 |          | 1            | +         | -  |           | Н               |
| <u></u>  | 110               | _        | ╀            | 4      |         | Ļ        | 4 |          | -            | +         | _  |           | Н               |
|          | 111               | <u> </u> | ┼            | _      |         | L        | 4 | _        | ┞            | +         | _  |           |                 |
|          | 112               | ⊢        | ╀            | 4      | _       | ╁        | + |          | ┾-           | +         |    | _         | $\vdash \vdash$ |
| <u> </u> | 113               | -        | ╁            | -      | _       | ╁        | + |          | ╁            | ╁         | _  |           | Н               |
| ├        | 114<br>115        | ┝        | ╁            | +      |         | ╁╴       | ┨ |          | ╁            | $\dagger$ |    | -         | H               |
|          | 116               | -        | +            | ┪      |         | ╁        | 1 | _        | t            | †         |    | -         | П               |
|          | 117               | ┢        | ╁            | +      |         | t        | _ | _        | t            | +         | _  | ┪         | П               |
| -        | 118               | t        | 十            | 7      | -       | t        | ┪ |          | T            | †         | _  |           | Ħ               |
| _        | 119               | T        | T            | 7      | Т       | ٢        | _ |          | †            | Ť         |    |           |                 |
|          | 119<br>120        | Γ        | T            | ٦      |         | 1        |   |          | Τ            | 1         |    | Г         |                 |
|          | 121               | T        | T            | _      |         | T        |   |          | Τ            | $\perp$   |    |           |                 |
|          | 122               |          | Τ            |        |         | Т.       |   |          |              |           |    | <u> </u>  |                 |
|          | 123               |          | floor        |        |         | L        |   |          | L            | $\perp$   |    | 乚         | $\perp$         |
|          | 124<br>125        | L        |              |        |         | 1        |   | L        | ┸            | _         |    | Ļ         |                 |
|          | 125               | ┖        | $\downarrow$ |        | _       | 1        | _ | L        | 1            | 4         |    | ╙         | ╄               |
|          | 126<br>127<br>128 | _        | 1            |        | _       | Ļ        | _ | L        | -            | 4         |    | ╄         | $\vdash$        |
|          | 127               | ╀        | +            |        | ├-      | +        |   | $\vdash$ | +            | 4         | _  | $\vdash$  | ╁—              |
| ļ        | 128               | ┼-       | +            |        | ┞       | +        |   | ┝        | +            | -         |    | ╁         | ┼-              |
| <u> </u> | 129<br>130        | +        | +            | _      | ┝       | +        | _ | ⊢        | ╁            | $\dashv$  |    | ╀         | ╁               |
| -        | 130               | +-       | +            | _      | ╀       | +        |   | ┝        | +            | -         | _  | ╁         | +               |
| -        | 131<br>132        | ╀        | +            |        | ╁       | +        | _ | ⊢        | +            |           |    | ╁╴        | +               |
| -        | 133               | ╁        | +            | _      | ╁       | +        | _ | ╁        | +            |           |    | ╁╴        | +               |
| -        | 134               | ╁        | +            | _      | t       | +        |   | $\vdash$ | +            |           |    | $\dagger$ | †               |
| -        | 134<br>135        | 十        | +            | -      | T       | †        | _ | T        | $^{\dagger}$ |           |    | 1         | $\top$          |
|          | 136               | 1        | 十            |        | Τ       | +        |   | T        | 1            | _         |    | Ι         |                 |
|          | 137               |          | T            |        | Τ       | 1        |   |          | I            | Ξ         |    |           |                 |
|          | 138               | Т        | Ī            |        | L       | Ι        |   |          | I            | _         |    | I         | ļ_              |
|          | 139<br>140        | $\perp$  |              |        | L       | 1        |   | L        | $\perp$      | _         | L  | $\bot$    | 4               |
|          | 140               | 4        | _[           | _      | $\perp$ | 4        | _ | $\perp$  | 4            |           | 1_ | 4-        | $\bot$          |
|          | 141               |          | 4            | _      | $\bot$  | 4        |   | 1        | 4            |           | 1- | +         | +               |
| _        | 142               | 1        | 4            |        | +       |          |   | +        | 4            |           | ╀  | +         | +               |
| <u> </u> | 143               | 4        | 4            |        | +       | 4        |   | +        | +            | _         | ╀  | +         | +-              |
|          | 144               |          | $\dashv$     | _      | +       | +        | _ | ╀        | $\dashv$     |           | ╁  | +         | +               |
| -        | 145               |          | +            | _      | +       | 4        |   | +        | $\dashv$     | _         | +  | +         | +-              |
| -        | 146               |          |              | _      | +       | +        | _ | +        | +            | -         | ╁  | +         | +               |
| -        | 147               |          | -            | _      | +       | $\dashv$ |   | +        | ┥            | _         | ╁  | +         | +               |
| $\vdash$ | 149               |          | $\dashv$     | _      | +       | ┥        | _ | +        | $\dashv$     | _         | +  | +         | +               |
| -        | 150               |          | $\dashv$     | _      | +       | $\dashv$ | _ | +        | -            |           | ╁  | +         | +               |
| L        | 130               |          |              |        |         |          | _ |          |              | _         | _  | _!_       | _1_             |